

## WEST Search History

DATE: Wednesday, March 16, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	vector and (pBigrZ or pIG121Hm)	9
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	vector and NOS and NPT? and 35S and HPT	23

END OF SEARCH HISTORY

03/16/05

10/01/1978 3

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1649MXI

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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!  
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NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected  
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected  
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected  
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NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN  
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED  
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and February 2005  
NEWS 17 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered  
NEWS 18 FEB 10 STN Patent Forums to be held in March 2005  
NEWS 19 FEB 16 STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005  
NEWS 20 FEB 28 PATDPAFULL - New display fields provide for legal status data from INPADOC  
NEWS 21 FEB 28 BABS - Current-awareness alerts (SDIs) available  
NEWS 22 FEB 28 MEDLINE/LMEDLINE reloaded  
NEWS 23 MAR 02 GBFULL: New full-text patent database on STN  
NEWS 24 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced  
NEWS 25 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
  
NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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LAST RELOADED: Mar 11, 2005 (20050311/UP).

=> file caplus biosis agricola medline patents  
FILE 'ENCOMPAT2' ACCESS NOT AUTHORIZED  
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FILE 'ENCOMPAT' ENTERED AT 10:01:05 ON 16 MAR 2005

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FILE 'FSTA' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'IFIPAT' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'PAPERCHEM2' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'PATDD' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'TULSA2' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'USPATFULL' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'USPAT2' ENTERED AT 10:01:05 ON 16 MAR 2005  
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'WPIFV' ENTERED AT 10:01:05 ON 16 MAR 2005  
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s nicotianamine ( w ) amine (w) transferase  
MISSING OPERATOR 'TIANAMINE ( W '  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s ((nicotianamine (w) amine (w) transferase) or NAAT) (3a) (gene or nucleic or  
DNA or vector or nucleotide or cDNA)  
1 FILES SEARCHED...  
7 FILES SEARCHED...  
8 FILES SEARCHED...  
15 FILES SEARCHED...  
25 FILES SEARCHED...  
26 FILES SEARCHED...  
27 FILES SEARCHED...  
36 FILES SEARCHED...  
L1 107 ((NICOTIANAMINE (W) AMINE (W) TRANSFERASE) OR NAAT) (3A) (GENE  
OR NUCLEIC OR DNA OR VECTOR OR NUCLEOTIDE OR CDNA)

=> s 11 and (transgenic or transform?) (3a) (plant or barley or rice or maize or  
corn or cereal? or grass? or gramineae? or monocot?)  
1 FILES SEARCHED...  
2 FILES SEARCHED...  
7 FILES SEARCHED...  
8 FILES SEARCHED...  
17 FILES SEARCHED...  
25 FILES SEARCHED...  
36 FILES SEARCHED...  
L2 24 L1 AND (TRANSGENIC OR TRANSFORM?) (3A) (PLANT OR BARLEY OR  
RICE OR MAIZE OR CORN OR CEREAL? OR GRASS? OR GRAMINEAE? OR

MONOCOT?)

=> remov dup 12

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers
DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

DELETE SAVED/Q	- delete all saved queries
DELETE SAVED/A	- delete all saved answer sets
DELETE SAVED/L	- delete all saved L-number lists
DELETE SAVED	- delete all saved queries, answer sets, and L-number lists
DELETE SAVED/S	- delete all SDI requests
DELETE SAVED/B	- delete all batch requests

DELETE CLUSTER - delete all user-defined clusters  
DELETE FORMAT - delete all user-defined display formats  
DELETE FIELD - delete all user-defined search fields  
DELETE SELECT - delete all E-numbers  
DELETE HISTORY - delete all L-numbers and restart the session at L1

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

=> dup remov 12  
DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, IMSPATENTS, LITALERT, PCTGEN, PROUSDDR, PS, RDISCLOSURE, SYNTHLINE'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L2  
L3 16 DUP REMOV L2 (8 DUPLICATES REMOVED)

=> s l3 not PY>1999  
8 FILES SEARCHED...  
10 FILES SEARCHED...  
17 FILES SEARCHED...  
25 FILES SEARCHED...  
27 FILES SEARCHED...  
'1999' NOT A VALID FIELD CODE  
38 FILES SEARCHED...  
L4 1 L3 NOT PY>1999

=> d 14 1

L4 ANSWER 1 OF 1 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
AN 1989-249008 [34] WPIDS  
CR 1991-164219 [22]  
DNC C1989-110985  
TI New pure N-alpha-acetyl transferase and DNA encoding it - catalysing acetylation of proteins and peptide(s), e.g. to stabilise pharmaceuticals or induce herbicide resistance in plants.  
DC B04 D16  
IN LEE, F S; SMITH, J A; LEE, F J S  
PA (GEHO) GEN HOSPITAL CORP  
CYC 22  
PI WO 8907138 A 19890810 (198934)\* EN 72  
W: AU DK JP KR  
EP 334004 A 19890927 (198939) EN  
R: AT BE CH DE ES FR GB GR IT LI LU NL SE  
PT 89611 A 19891004 (198945)  
AU 8931969 A 19890825 (198947)  
ZA 8900896 A 19891025 (198948)  
US 4966848 A 19901030 (199046)  
DK 9001863 A 19900803 (199050)  
JP 03502403 W 19910606 (199129)  
US 5128459 A 19920707 (199230) 31 C12N015-54  
EP 334004 B1 19931118 (199346) EN 42 C12N009-10  
R: AT BE CH DE ES FR GB GR IT LI LU NL SE  
DE 68910713 E 19931223 (199401) C12N009-10  
US 5283188 A 19940201 (199406) 31 C12N009-10  
ES 2061745 T3 19941216 (199505) C12N009-10  
ADT WO 8907138 A WO 1989-US471 19890207; EP 334004 A EP 1989-102006 19890206;  
ZA 8900896 A ZA 1989-896 19890206; US 4966848 A US 1988-284344 19881214;  
JP 03502403 W JP 1989-502776 19890207; US 5128459 A CIP of US 1988-153361  
19880208, Div ex US 1988-284344 19881214, US 1990-533353 19900605; EP  
334004 B1 EP 1989-102006 19890206; DE 68910713 E DE 1989-610713 19890206,

EP 1989-102006 19890206; US 5283188 A CIP of US 1988-153361 19880208, Div ex US 1988-284344 19881214, Div ex US 1990-533353 19900605, US 1992-863023 19920403; ES 2061745 T3 EP 1989-102006 19890206

FDT US 5128459 A Div ex US 4966848; DE 68910713 E Based on EP 334004; US 5283188 A Div ex US 4966848, Div ex US 5128459; ES 2061745 T3 Based on EP 334004

PRAI US 1988-153361 19880208; US 1988-284344 19881214

IC ICM C12N009-10; C12N015-54  
ICS A01H001-00; A01H005-00; C12N005-00; C12N015-55; C12N015-74;  
C12N015-79; C12N015-81; C12P019-34

=> d 13 1-16

L3 ANSWER 1 OF 16 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 1  
AN 10586412 IFIPAT;IFIUDB;IFICDB  
TI DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF  
IN Mori Satoshi (JP); Negishi Takashi (JP); Nishizawa Naoko (JP)  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2004093634 A1 20040513  
AI US 2003-399608 20030418  
WO 2002-JP1940 20020304  
20030418 PCT 371 date  
20030418 PCT 102(e) date  
PRAI JP 2001-86162 20010323  
FI US 2004093634 20040513  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 14  
GI 11 Figure(s).  
FIG. 1 shows the biosynthetic pathways of mugineic acid and derivatives thereof in Graminae plants.  
FIG. 2 is a photo in place of a drawing showing that three amplified fragments are obtained by PCR using degenerate primers.  
FIG. 3 is photos in place of drawings showing the results of Northern blot analyses of shoot and root portions of barley in iron-deficient (for 2 weeks) and iron-sufficient groups. 1, 2, and 3 are those using 200, 500, and 700 bp PCR fragments, respectively.  
FIG. 4 shows the results of measuring reductase activities of the invention by HPLC, in which the value of reductase activity is measured as the quantity of DMA by HPLC. 1, 2, 3, 4, 5, 6, and 7 show the cases of DMA alone, reductase gene1, reductase gene2, reductase gene5, reductase gene7, NAAT+NaBH4, and vector control (PYH23), respectively.  
FIG. 5 is photos in place of drawings showing the results of Northern blot analyses where the changes at elapsed times were examined for response of the reductase genes of the invention to iron-deficiency. The experiments were carried out using the barley roots on the 0, 2, 4, 7, 14th days of the iron-deficient treatment and on the 5th day of restart giving iron after the 14 days' iron-deficient treatment. 1 and 2 show the cases of the reductase genes 1 and 2 (5), respectively.  
FIG. 6 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 1 of the invention.  
FIG. 7 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 2 of the invention.  
FIG. 8 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 5 of the invention.  
FIG. 9 shows comparison of the amino acid sequences of the reductase gene 1, the reductase gene 2(5) of the invention, and glutathione reductase of the rice.  
FIG. 10 is a photo in place of a drawing showing the response expressed

against metal stress of the reductase gene of the invention and the glutathione reductase gene. In FIG. 10, DMAS and GR mean the reductase gene of the invention and the glutathione reductase gene, respectively. R and S mean the root and shoot (leaf, stem, etc.) portions, respectively. FIG. 11 shows the amino acid sequences of the probe regions used when examining the response expressed against metal stress of the reductase gene of the invention and the glutathione reductase gene. In FIG. 11, DMAS1 and DMAS2 mean the reductase genes of the invention, and GR means the glutathione reductase gene. Also in FIG. 11, the upper part enclosed with a slender box denotes the probe region used when observing the response of GR to the metals, and the part from upper to lower enclosed with a wide box denotes the probe regions used when observing the response of DMAS to the metals.

L3 ANSWER 2 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 2002:31536 EPFULL  
DUPD 20021127 DUPW 200248  
TIEN DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF.  
TIFR SYNTHASE D'ACIDE DESOXYMUGINEIQUE ET GENE DE CETTE SYNTHASE.  
IN NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP;  
MORI, Satoshi, 5-32-2-206, Hongo, Bunkyo-ku, Tokyo 113-0033, JP;  
NEGISHI, Takashi, 1-17-18-202, Shiba, Kawaguchi-shi, Saitama 333-0866,  
JP  
PA JAPAN SCIENCE AND TECHNOLOGY CORPORATION, 1-8, Hon-cho 4-chome,  
Kawaguchi-shi, Saitama 332-0012, JP  
PAN 2211031  
LAF Japanese  
LA English  
LAP English  
TL English; French  
DT Patent  
PIT WO01 International application published with search report  
PI WO 2002077240 A1 20021003  
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
AI EP 2002-702724 A 20020304  
WO 2002-JP1940 A 20020304  
PRAI JP 2001-86162 A 20010323  
IC.VER 7  
ICM C12N015-53  
ICS C12N009-02; C12N005-10; A01H005-00

AN 2002:31536 EPFULL UP 20050309  
DUPD 20050309 DUPW 200510  
TIEN DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF.  
TIFR SYNTHASE D'ACIDE DESOXYMUGINEIQUE ET GENE DE CETTE SYNTHASE.  
TIDE DESOXYMUGENSAEURE-SYNTHASE UND DEREN GEN.  
IN NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP;  
MORI, Satoshi, 5-32-2-206, Hongo, Bunkyo-ku, Tokyo 113-0033, JP;  
NEGISHI, Takashi, 1-17-18-202, Shiba, Kawaguchi-shi, Saitama 333-0866,  
JP  
PA Japan Science and Technology Agency, 4-1-8, Honcho, Kawaguchi-shi  
Saitama, JP  
PAN 4670711  
AG Cresswell, Thomas Anthony, J.A. KEMP & CO. 14 South Square Gray's Inn,  
London WC1R 5JJ, GB  
AGN 50351  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
DT Patent

PIT EPA1 Application published with search report  
PI EP 1380647 A1 20040114  
WO 2002077240 20021003  
DS BE ES IT PT  
AI EP 2002-702724 A 20020304  
WO 2002-JP1940 A 20020304  
PRAI JP 2001-86162 A 20010323  
IC.VER 7  
ICM C12N015-53  
ICS C12N009-02; C12N005-10; A01H005-00

L3 ANSWER 3 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 1999:37763 EPFULL  
DUPD 20001129 DUPW 200048

TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.  
TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.

IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;  
HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;  
NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP

PA Japan Science and Technology Corporation, 1-8, Honcho 4-chome,  
Kawaguchi-shi, Saitama-ken 332-0012, JP

PAN 2211035  
LAF Japanese  
LA English  
LAP English  
TL English; French  
DT Patent

PIT WO/A1 International application published with search report  
PI WO 9957249 A1 19991111  
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  
AI EP 1999-918274 A 19990430  
WO 1999-JP2305 A 19990430  
PRAI JP 1998-137685 A 19980430

IC.VER 7  
ICM C12N009-00  
ICS C12N015-52; C12P013-04; C07K016-40

AN 1999:37763 EPFULL  
DUPD 20040414 DUPW 200416

TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.  
TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.  
TIDE NICOTIANAMIN SYNTHASE UND FUeR DIESE KODIERENDES GEN.

IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;  
HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;  
NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP

PA Japan Science and Technology Agency, 4-1-8-, Honcho, Kawaguchi-shi  
Saitama, JP

PAN 4670711  
AG Cresswell, Thomas Anthony, et al, J.A. KEMP & CO. 14 South Square Gray's  
Inn, London WC1R 5JJ, GB

AGN 50351  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
DT Patent

PIT EPA1 Application published with search report

PI EP 1077255 A1 20010221  
 WO 9957249 19991111  
 DS DE ES FR GB IT NL  
 AI EP 1999-918274 A 19990430  
 WO 1999-JP2305 A 19990430  
 PRAI JP 1998-137685 A 19980430  
 IC.VER 7  
 ICM C12N015-54  
 ICS C12N015-82; C12N009-10; C12N005-10; A01H005-00  
 AN 1999:37763 EPFULL  
 DUPD 20040922 DUPW 200439  
 TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.  
 TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.  
 TIDE NICOTIANAMIN SYNTHASE UND FUER DIESE KODIERENDES GEN.  
 IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;  
 HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
 SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;  
 NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;  
 NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP  
 PA Japan Science and Technology Agency, 4-1-8, Honcho, Kawaguchi-shi  
 Saitama, JP  
 PAN 4670711  
 AG Cresswell, Thomas Anthony, et al, J.A. KEMP & CO. 14 South Square Gray's  
 Inn, London WC1R 5JJ, GB  
 AGN 50351  
 LAF Japanese  
 LA English  
 LAP English  
 TL German; English; French  
 DT Patent  
 PIT EPB1 Granted patent  
 PI EP 1077255 B1 20040922  
 WO 9957249 19991111  
 DS DE ES FR GB IT NL  
 AI EP 1999-918274 A 19990430  
 WO 1999-JP2305 A 19990430  
 PRAI JP 1998-137685 A 19980430  
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 HIGUCHI, K., ET AL.: "The role of nicotianamine synthase in response  
 to Fe nutrition status in Graminae" PLANT SOIL, vol. 178, 1996, pages  
 171-177, XP000866267;  
 S MORI: "Reevaluation of the genes induced by iron deficiency in  
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 page 975-980 XP002076369 ISSN: 0038-0768;  
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 affected in the regulation of iron metabolism" MOLECULAR AND GENERAL  
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 1, complete cds" EMBL NUCLEOTIDE SEQUENCE, XX, XX, 5 February 1999  
 (1999-02-05), XP002169700;  
 MORI ET AL: "Hordeum vulgare hvnas2 mRNA for nicotianamine synthase  
 2, complete cds" EMBL NUCLEOTIDE SEQUENCE, XX, XX, 5 February 1999  
 (1999-02-05), XP002169701;  
 MORI ET AL: "Hordeum vulgare hvnas3 mRNA for nicotianamine synthase  
 3, complete cds" EMBL NUCLEOTIDE SEQUENCE, XX, XX, 5 February 1999  
 (1999-02-05), XP002169702;

MORI ET AL: "Hordeum vulgare hvnas4 mRNA for nicotianamine synthase 4, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169703;

MORI ET AL: "Hordeum vulgare hvnas5 mRNA for nicotianamine synthase 5, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169704;

MORI ET AL: "Hordeum vulgare hvnas6 mRNA for nicotianamine synthase 6, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002127293;

MORI ET AL: "Hordeum vulgare hvnas7 mRNA for nicotianamine synthase 7, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169705;

HIGUCHI ET AL: "Cloning of nicotianamine synthase genes, novel genes involved in the biosynthesis of phytosiderophores" PLANT PHYSIOLOGY, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US, vol. 119, February 1999 (1999-02), pages 471-479, XP002127294 ISSN: 0032-0889;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K. AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169706;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169707;

DATABASE EMBL DATABASE-TRANSLATED [Online] 1 November 1998 (1998-11-01) VYSOTSKAIA, V.S., ET AL. : "Arabidopsis thaliana chromosome 1 BAC T12M4 sequence, complete sequence" XP002169708;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K. AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169709;

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PLANT PHYSIOLOGY, Volume 119, Number 2, issued February 1999, KYOKO HIGUCHI et al., "Cloning of Nicotianamine Synthase Genes, Novel Genes Involved in the Biosynthesis of Phytosiderophores", pages 471-479, XP002919795;

DATABASE GENBANK, Accession No. AB019525, 11 February 1999, MORI S. and HIGUCHI K., "Hordeum Vulgare Hvna7 mRNA for Nicotianamine Synthase 7, Complete Cds", XP002947405;

DATABASE GENBANK, Accession No. AB021746, 30 March 1999, Higuchi K., "Oryza Sativa Osnas1 mRNA for Nicotianamine Synthase 1, Complete Cds", XP002947406;

DATABASE GENBANK, Accession No. AB021934, 11 February 1999, SUZUKI K. and MORI S., "Arabidopsis Thaliana Gene for Nicotianamine Synthase, Complete Cds", XP002947407

REP WO 9960107 A  
IC.VER 7  
ICM C12N015-54  
ICS C12N015-82; C12N009-10; C12N005-10; A01H005-00

L3 ANSWER 4 OF 16 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2003000898 PCTFULL ED 20030115 EW 200301  
TIEN PLANT GENES INVOLVED IN DEFENSE AGAINST PATHOGENS  
TIFR GENES DE PLANTES INTERVENANT DANS LA DEFENSE CONTRE DES PATHOGENES  
IN CHANG, Hur-Song, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
CHEN, Wengqiong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
COOPER, Bret, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];  
GLAZEBROOK, Jane, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];

GOFF, Stephen, Arthur, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];  
HOU, Yu-Ming, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
KATAGIRI, Fumiaki, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [JP, US];  
QUAN, Sheng, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
TAO, Yi, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
WHITHAM, Steve, 4025 Berkshire Avenue, Ames, IA 50010, US [US, US];  
XIE, Zhiyi, Apartment 225, 8933 Lombard Place, San Diego, CA 92122, US [CN, US];  
ZHU, Tong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];  
ZOU, Guangzhou, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US]

PA SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, CH-4058 Basel, CH [CH, CH], for all designates States except US;  
CHANG, Hur-Song, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
CHEN, Wenqiong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
COOPER, Bret, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;  
GLAZEBROOK, Jane, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;  
GOFF, Stephen, Arthur, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;  
HOU, Yu-Ming, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
KATAGIRI, Fumiaki, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [JP, US], for US only;  
QUAN, Sheng, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
TAO, Yi, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
WHITHAM, Steve, 4025 Berkshire Avenue, Ames, IA 50010, US [US, US], for US only;  
XIE, Zhiyi, Apartment 225, 8933 Lombard Place, San Diego, CA 92122, US [CN, US], for US only;  
ZHU, Tong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;  
ZOU, Guangzhou, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only

AG BASTIAN, Werner, c/o Syngenta Participations AG, Intellectual Property, P.O. Box, CH-4002 Basel, CH

LAF English  
LA English  
DT Patent  
PI WO 2003000898 A1 20030103  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 2001-IB1105 A 20010622  
ICM C12N015-29

ICS C12N015-82; C12Q001-68; A01H005-00; G06F017-00; C07K014-415

L3 ANSWER 5 OF 16 USPATFULL on STN

AN 2003:331453 USPATFULL

TI Gene sequences and uses thereof in plants

IN Edgerton, Michael D., St. Louis, MO, UNITED STATES

Chomet, Paul S., Mystic, CT, UNITED STATES

Laccetti, Lucille B., Groton, CT, UNITED STATES

PI US 2003233670 A1 20031218

AI US 2002-310154 A1 20021204 (10)

PRAI US 2001-337358P 20011204 (60)

DT Utility

FS APPLICATION

LN.CNT 14098

INCL INCLM: 800/278.000

INCLS: 435/006.000; 435/069.100; 435/200.000; 435/320.100; 435/419.000;

536/023.200

NCL NCLM: 800/278.000

NCLS: 435/006.000; 435/069.100; 435/200.000; 435/320.100; 435/419.000;

536/023.200

IC [7]

ICM: A01H001-00

ICS: C12N015-82; C12Q001-68; C07H021-04; C12N009-24; C12P021-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 16 USPATFULL on STN

AN 2003:127197 USPATFULL

TI Nicotianamine synthase and gene encoding the same

IN Mori, Satoshi, Chiba-ken, JAPAN

Higuchi, Kyoko, Gunma, JAPAN

Suzuki, Kazuya, Tokyo, JAPAN

Nishizawa, Naoko, Tokyo, JAPAN

Nakanishi, Hiromi, Tokyo, JAPAN

PA Japan Science and Technology Corporation (non-U.S. corporation)

PI US 2003087410 A1 20030508

AI US 2002-281024 A1 20021025 (10)

RLI Division of Ser. No. US 2001-674337, filed on 26 Jul 2001, PENDING

DT Utility

FS APPLICATION

LN.CNT 1619

INCL INCLM: 435/193.000

INCLS: 800/279.000; 435/069.100; 435/419.000; 435/320.100; 536/023.200

NCL NCLM: 435/193.000

NCLS: 800/279.000; 435/069.100; 435/419.000; 435/320.100; 536/023.200

IC [7]

ICM: A01H001-00

ICS: C07H021-04; C12N015-82; C12N009-10; C12P021-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

AN 2003:483734 CAPLUS

DN 139:258167

TI Role of nicotianamine in the intracellular delivery of metals and plant reproductive development

AU Takahashi, Michiko; Terada, Yasuko; Nakai, Izumi; Nakanishi, Hiromi; Yoshimura, Etsuro; Mori, Satoshi; Nishizawa, Naoko K.

CS Laboratory of Plant Biotechnology, University of Tokyo, Tokyo, 113-8657, Japan

SO Plant Cell (2003), 15(6), 1263-1280

CODEN: PLCEEW; ISSN: 1040-4651

PB American Society of Plant Biologists

DT Journal

LA English

RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3

AN 2003:115036 CAPLUS

DN 139:276248

TI Overcoming Fe deficiency by a **transgenic** approach in rice

AU Takahashi, Michiko

CS Laboratory of Plant Biotechnology, The University of Tokyo, Tokyo, 113-8657, Japan

SO Plant Cell, Tissue and Organ Culture (2003), 72(3), 211-220  
CODEN: PTCEDJ; ISSN: 0167-6857

PB Kluwer Academic Publishers

DT Journal; General Review

LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 2000:62664 EPFULL

DUPD 20010307 DUPW 200110

TIEN CONSTRUCTION OF RICE TOLERANT TO IRON DEFICIENCY.

TIFR PRODUCTION DE RIZ RESISTANT AUX CARENCES EN FER.

IN MORI, Satoshi, 5-32-2-206, Hongo, unkyo-ku, Tokyo 113-0033, JP;  
NAKANISHI, Hiromi, 5-32-20-308, Sendagi, Bunkyo-ku, Tokyo 113-0022,  
JP;

TAKAHASHI, Michiko, 3-18-4, Kohinata, Bunkyo-ku, Tokyo 112-0006, JP;  
NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP

PA Japan Science and Technology Corporation, 1-8, Hon-cho 4-chome,  
Kawaguchi-shi, Saitama 332-0012, JP

PAN 2211031

LAF Japanese

LA English

LAP English

TL English; French

DT Patent

PIT WOAI International application published with search report

PI WO 2001001762 A1 20010111

DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

AI EP 2000-940934 A 20000704

WO 2000-JP4425 A 20000704

PRAI JP 1999-190318 A 19990705

IC.VER 7

ICM A01H005-00

ICS C12N005-14; C12N015-52

AN 2000:62664 EPFULL

DUPD 20040519 DUPW 200421

TIEN CONSTRUCTION OF RICE TOLERANT TO IRON DEFICIENCY.

TIFR PRODUCTION DE RIZ RESISTANT AUX CARENCES EN FER.

TIDE KONSTRUKTION EINER GEGENUEBER EISENDEFIZIENZ TOLERANTEN REISPFLANZE.

IN MORI, Satoshi, 5-32-2-206, Hongo, unkyo-ku, Tokyo 113-0033, JP;  
NAKANISHI, Hiromi, 5-32-20-308, Sendagi, Bunkyo-ku, Tokyo 113-0022,  
JP;

TAKAHASHI, Michiko, 3-18-4, Kohinata, Bunkyo-ku, Tokyo 112-0006, JP;  
NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP

PA Japan Science and Technology Agency, 4-1-8-, Honcho, Kawaguchi-shi  
Saitama, JP

PAN 4670711

AG Cresswell, Thomas Anthony, J.A. KEMP & CO. 14 South Square Gray's Inn,  
 London WC1R 5JJ, GB  
 AGN 50352  
 LAF Japanese  
 LA English  
 LAP English  
 TL German; English; French  
 DT Patent  
 PIT EPA1 Application published with search report  
 PI EP 1197139 A1 20020417  
 WO 2001001762 20010111  
 DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  
 AI EP 2000-940934 A 20000704  
 WO 2000-JP4425 A 20000704  
 PRAI JP 1999-190318 A 19990705  
 IC.VER 7  
 ICM A01H005-00  
 ICS C12N005-14; C12N015-52; C12N015-82; C12N009-10  
  
 L3 ANSWER 10 OF 16 PCTFULL COPYRIGHT 2005 Univentio on STN  
 AN 2002022675 PCTFULL ED 20020705 EW 200212  
 TIEN PLANT GENES, THE EXPRESSION OF WHICH ARE ALTERED BY PATHOGEN INFECTION  
 TIFR GENES DE PLANTES DONT L'EXPRESSION EST MODIFIEE PAR L'INFECTION PAR UN  
 PATHOGENE  
 IN GLAZEBROOK, Jane, 4503 Ocean Valley Lane, San Diego, CA 92130, US [US,  
 US];  
 WANG, Xun, 12524 Caminito Vista Soledad, San Diego, CA 92121, US [US,  
 &x2014;];  
 DANGL, Jeffrey, L., 601 Jones Ferry Road, Apt. B, Carrboro, NC 27510, US  
 [US, US];  
 EULGEM, Thomas, 605 Jones Ferry Road, Apt. VV1, Carrboro, NC 27510, US  
 [US, US];  
 ZHU, Tong, 5260 Caminito Exquisito, San Diego, CA 92130, US [US,  
 &x2014;]  
 PA SYNGENTA PARTICIPATIONS AG, Schwarzwaldalle 215, CH-4058 Basel, CH [CH,  
 CH], for all designates States except US;  
 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, 300 Bynum Hall, Campus Box  
 4100, Chapel Hill, NC 27599-4100, US [US, US], for all designates States  
 except US;  
 GLAZEBROOK, Jane, 4503 Ocean Valley Lane, San Diego, CA 92130, US [US,  
 US];  
 WANG, Xun, 12524 Caminito Vista Soledad, San Diego, CA 92121, US [US,  
 &x2014;];  
 DANGL, Jeffrey, L., 601 Jones Ferry Road, Apt. B, Carrboro, NC 27510, US  
 [US, US];  
 EULGEM, Thomas, 605 Jones Ferry Road, Apt. VV1, Carrboro, NC 27510, US  
 [US, US];  
 ZHU, Tong, 5260 Caminito Exquisito, San Diego, CA 92130, US [US,  
 &x2014;]  
 AG VIKSNINS, Ann, S., Schwegman, Lunberg, Woessner & Kluth, P.O. Box 2938,  
 Minneapolis, MN 55402, US  
 LAF English  
 LA English  
 DT Patent  
 PI WO 2002022675 A2 20020321  
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
 MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR  
 TT TZ UA UG US UZ VN YU ZA ZW  
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 AI WO 2001-US28506 A 20010914  
 PRAI 2000-60/232,778 20000915  
 US 2000-60/232,778 20000915  
 US 2001-60/300,183 20010622  
 US 2001-60/300,183 20010622  
 ICM C07K014-415

L3 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4

AN 2001:31254 CAPLUS

DN 134:96241

TI **Transgenic rice** with iron deficiency tolerance having  
nicotianamine aminotransferase gene

IN Mori, Satoshi; Nakanishi, Hiromi; Takahashi, Michiko; Nishizawa, Naoko

PA Japan Science and Technology Corporation, Japan

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001001762	A1	20010111	WO 2000-JP4425	20000704
	W: AU, CN, IN, KR, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001017012	A2	20010123	JP 1999-190318	19990705
	EP 1197139	A1	20020417	EP 2000-940934	20000704
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AU 772529	B2	20040429	AU 2000-55728	20000704
PRAI	JP 1999-190318	A	19990705		
	WO 2000-JP4425	W	20000704		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 16 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN  
 AN 2002:5754 BIOSIS  
 DN PREV200200005754  
 TI The role of mugineic acid in iron acquisition: Progress in cloning the  
genes for **transgenic rice**.  
 AU Mori, Satoshi [Reprint author]  
 CS Department of Applied Biological Chemistry, Division of Agriculture and  
Agricultural Life Science, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku,  
Tokyo, 113-0032, Japan  
 SO Ae, N. [Editor]; Arihara, J. [Editor]; Okada, K. [Editor]; Srinivasan, S.  
[Editor]. (2001) pp. 120-139. Plant nutrient acquisition: New  
perspectives. print.  
Publisher: Springer-Verlag GmbH and Co. KG, Heidelberger Platz 3, D-14197,  
Berlin, Germany; Springer-Verlag New York Inc., 175 Fifth Avenue, New  
York, NY, 10010-7858, USA.  
ISBN: 4-431-70281-4 (cloth).  
 DT Book  
Book; (Book Chapter)  
 LA English  
 ED Entered STN: 28 Dec 2001  
Last Updated on STN: 25 Feb 2002

L3 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

AN 2001:337778 CAPLUS

DN 135:74078  
TI Enhanced tolerance of rice to low iron availability in alkaline soils using barley nicotianamine aminotransferase genes  
AU Takahashi, Michiko; Nakanishi, Hiromi; Kawasaki, Shinji; Nishizawa, Naoko K.; Mori, Satoshi  
CS Lab. Plant Molecular Physiology, Univ. Tokyo, Tokyo, 113-8657, Japan  
SO Nature Biotechnology (2001), 19(5), 466-469  
CODEN: NABIF9; ISSN: 1087-0156  
PB Nature America Inc.  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:607224 CAPLUS  
DN 134:71001  
TI Production of plants with resistance to iron deficiency in alkali soil  
AU Mori, Satoshi  
CS Graduate School, University of Tokyo, Japan  
SO Nogyo oyobi Engei (2000), 75(8), 887-894  
CODEN: NOOEAJ; ISSN: 0369-5247  
PB Yokendo  
DT Journal; General Review  
LA Japanese

L3 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:656320 CAPLUS  
DN 134:56111  
TI Plant nutrition - perspective for the new century. I. Genetic engineering of transgenic rice tolerant to iron deficiency in calcareous soil  
AU Mori, Satoshi  
CS Japan  
SO Nippon Dojo Hirayogaku Zasshi (2000), 71(4), 565-574  
CODEN: NIDHAX; ISSN: 0029-0610  
PB Nippon Dojo Hiryo Gakkai  
DT Journal; General Review  
LA Japanese

L3 ANSWER 16 OF 16 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN  
AN 1989-249008 [34] WPIDS  
CR 1991-164219 [22]  
DNC C1989-110985  
TI New pure N-alpha-acetyl transferase and DNA encoding it - catalysing acetylation of proteins and peptide(s), e.g. to stabilise pharmaceuticals or induce herbicide resistance in plants.  
DC B04 D16  
IN LEE, F S; SMITH, J A; LEE, F J S  
PA (GEHO) GEN HOSPITAL CORP  
CYC 22  
PI WO 8907138 A 19890810 (198934)\* EN 72  
W: AU DK JP KR  
EP 334004 A 19890927 (198939) EN  
R: AT BE CH DE ES FR GB GR IT LI LU NL SE  
PT 89611 A 19891004 (198945)  
AU 8931969 A 19890825 (198947)  
ZA 8900896 A 19891025 (198948)  
US 4966848 A 19901030 (199046)  
DK 9001863 A 19900803 (199050)  
JP 03502403 W 19910606 (199129)  
US 5128459 A 19920707 (199230)

EP 334004	B1 19931118 (199346)	EN 42	C12N009-10
R: AT BE CH DE ES FR GB GR IT LI LU NL SE			
DE 68910713	E 19931223 (199401)		C12N009-10
US 5283188	A 19940201 (199406)	31	C12N009-10
ES 2061745	T3 19941216 (199505)		C12N009-10
ADT WO 8907138 A WO 1989-US471 19890207; EP 334004 A EP 1989-102006 19890206;			
ZA 8900896 A ZA 1989-896 19890206; US 4966848 A US 1988-284344 19881214;			
JP 03502403 W JP 1989-502776 19890207; US 5128459 A CIP of US 1988-153361			
19880208, Div ex US 1988-284344 19881214, US 1990-533353 19900605; EP			
334004 B1 EP 1989-102006 19890206; DE 68910713 E DE 1989-610713 19890206,			
EP 1989-102006 19890206; US 5283188 A CIP of US 1988-153361 19880208, Div			
ex US 1988-284344 19881214, Div ex US 1990-533353 19900605, US 1992-863023			
19920403; ES 2061745 T3 EP 1989-102006 19890206			
FDT US 5128459 A Div ex US 4966848; DE 68910713 E Based on EP 334004; US			
5283188 A Div ex US 4966848, Div ex US 5128459; ES 2061745 T3 Based on EP			
334004			
PRAI US 1988-153361 19880208; US 1988-284344 19881214			
IC ICM C12N009-10; C12N015-54			
ICS A01H001-00; A01H005-00; C12N005-00; C12N015-55; C12N015-74;			
C12N015-79; C12N015-81; C12P019-34			

=> FIL STNGUIDE  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
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DPCI, ENCOMPPAT, EPFULL, FRANCEPAT, FRFULL, FSTA, IFIPAT, IMSPATENTS,  
INPADOC, JAPIO, KOREAPAT, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA,  
PATDPAFULL, PCTFULL, PCTGEN, PIRA, PROUSDDR, ...' ENTERED AT 10:01:05 ON  
16 MAR 2005

L1	107 S ((NICOTIANAMINE (W) AMINE (W) TRANSFERASE) OR NAAT) (3A) (GEN
L2	24 S L1 AND (TRANSGENIC OR TRANSFORM?) (3A) (PLANT OR BARLEY OR R
L3	16 DUP REMOV L2 (8 DUPLICATES REMOVED)
L4	1 S L3 NOT PY>1999

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